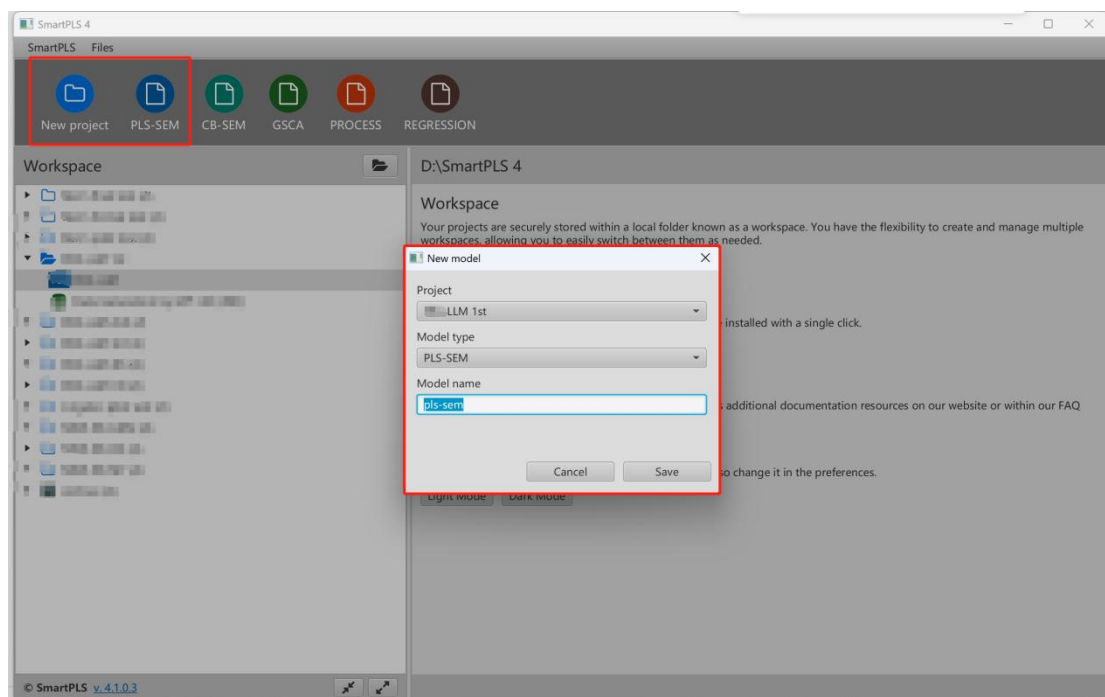


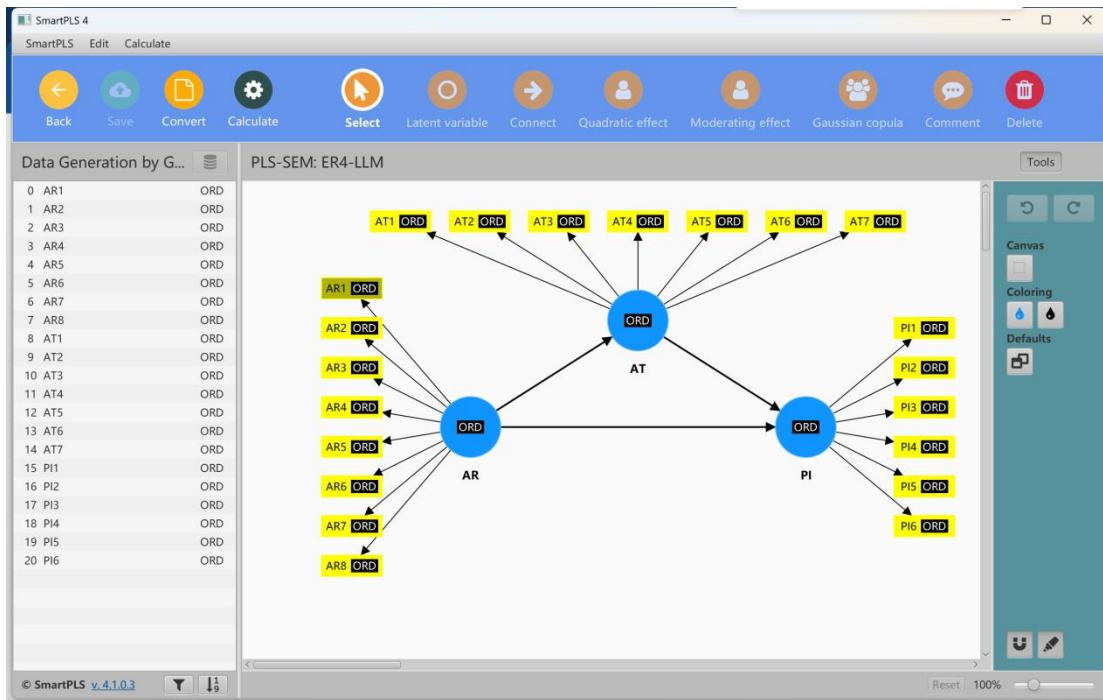
Software: SmartPLS (version 4.1.0.3)

Analysis procedure using LLM-1st round data as an example:

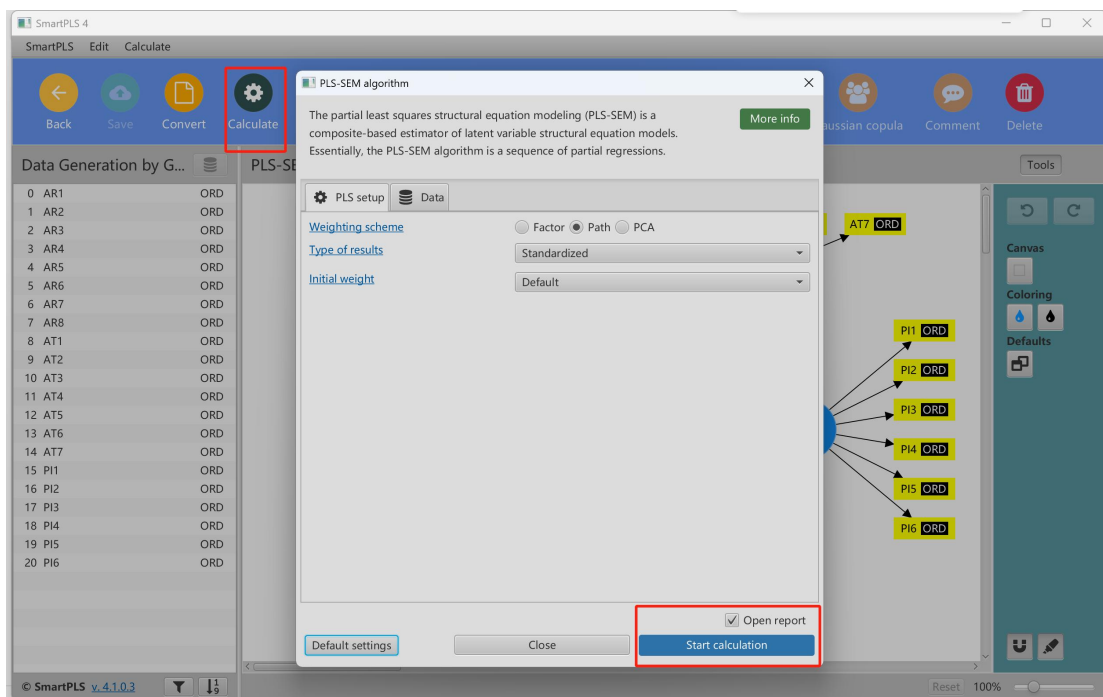
Step 1: Create new projects and PLS-SEM analysis models in software. Import LLM-1st round data.

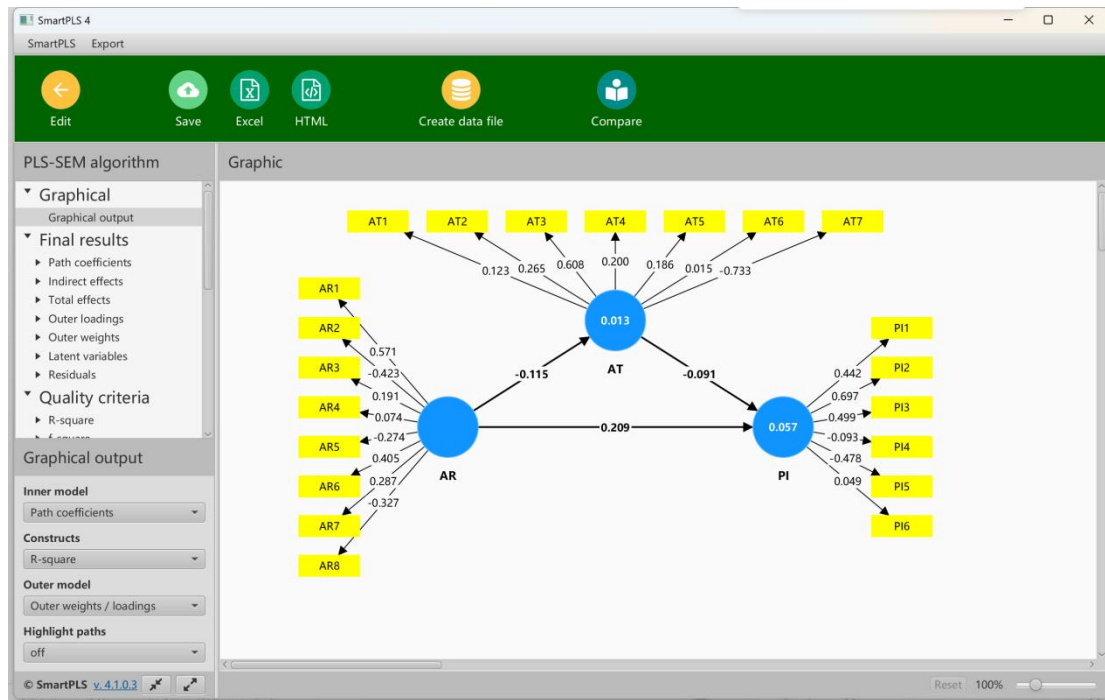


Step 2: Establish the PLS-SEM model in software.



Step 3: Calculate “standard algorithms - PLS-SEM algorithm”, and open the results report. This step is actually doing the measurement model assessment in PLS-SEM analysis method.





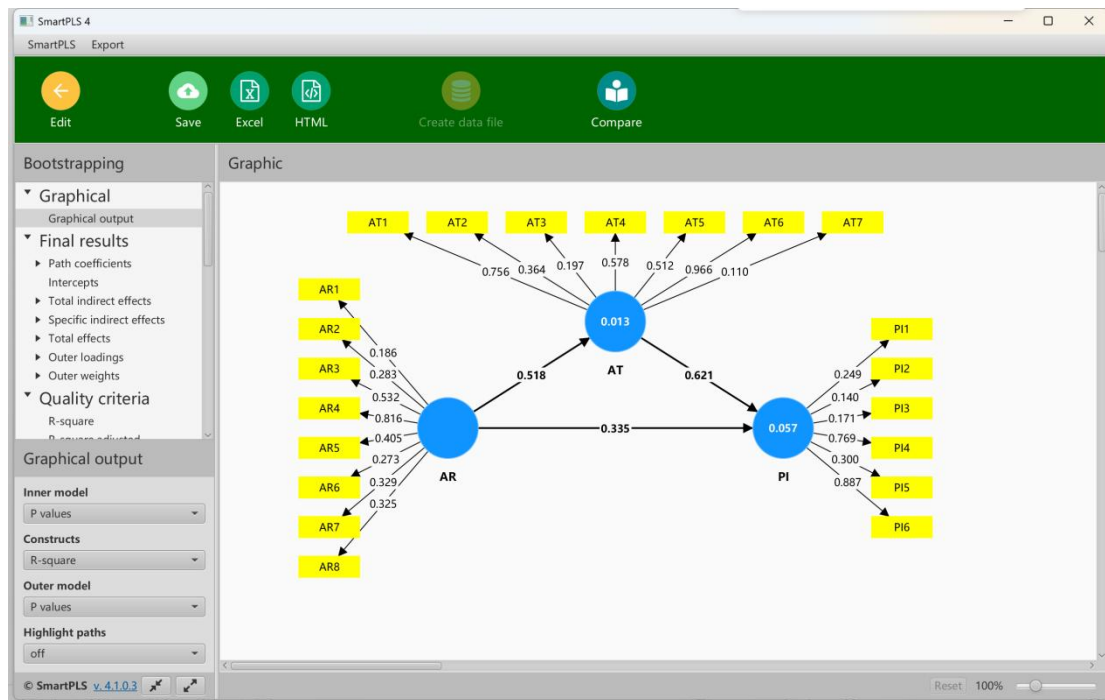
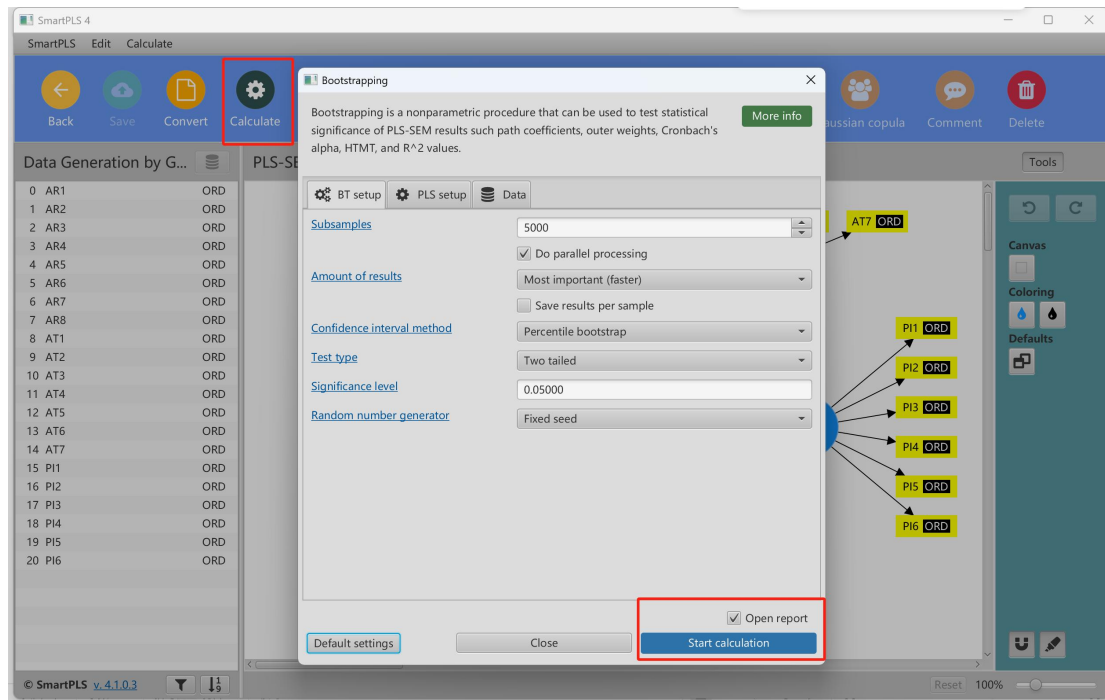
Step 4: Check and record the main credibility and validity indicators in the report (detailed results are presented in the manuscript).

The 'Outer loadings - Matrix' table displays the following data:

	AR	AT	PI
AR1	0.571		
AR2	-0.423		
AR3	0.191		
AR4	0.074		
AR5	-0.274		
AR6	0.405		
AR7	0.287		
AR8	-0.327		
AT1		0.123	
AT2		0.265	
AT3		0.608	
AT4		0.200	
AT5		0.186	
AT6		0.015	
AT7		-0.733	
PI1			0.442
PI2			0.697
PI3			-0.499
PI4			-0.093
PI5			-0.478
PI6			0.049

Step 5: Calculate “standard algorithms - bootstrapping” (subsamples: 5000), and open the results report. This step is actually doing the structural model assessment in

PLS-SEM analysis method.



Step 6: Check and record the path analysis results in the report (detailed results are presented in the manuscript).

SmartPLS 4
SmartPLS Export

Buttons: Edit, Save, Excel, HTML, Create data file, Compare

Bootstrapping

Graphical

Graphical output

Final results

Path coefficients

Mean, STDEV, T values, Confidence intervals, Confidence intervals bias

Intercepts

Total indirect effects

Specific indirect effects

Mean, STDEV, T values, Confidence intervals, Confidence intervals bias

Total effects

Outer loadings

Outer weights

Quality criteria

R-square, R-square adjusted, f-square, Average variance extracted (AVE), Composite reliability (rho_c), Composite reliability (rho_a), Cronbach's alpha

Path coefficients - Mean, STDEV, T values, p values

Copy to Excel/Word, Copy to R

	Original sample (O)	Sample mean (M)	Standard deviation (STDEV)	T statistics (O/STDEV)	P values
AR -> AT	-0.115	0.124	0.178	0.647	0.518
AR -> PI	0.209	0.065	0.217	0.964	0.335
AT -> PI	-0.091	-0.019	0.184	0.495	0.621

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Reset 100%

Step 6: Repeat steps 1-6 to analyze the LLM second to fourth rounds of data, as well as human data. Summarize the indicators of the five rounds of data for comparative analysis and interpretation according to the selected analysis criteria.